



== UNITED NATIONS ==
**OCEAN
CONFERENCE**

LISBON
27 JUNE -
1 JULY
2022



2021 United Nations Decade
2030 of Ocean Science
for Sustainable Development

OFFICIAL SIDE EVENT

Interoperable, transparent, and accessible marine data for the UN 2030 Agenda,
the UN Ocean Decade, and for the benefit of all

29 June 2022 18:00-20:00 (GMT +1)

Location: Pavilhão de Portugal – Expo 98, Alameda dos Oceanos



Welcome & Introduction



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2021-2030
United Nations Decade
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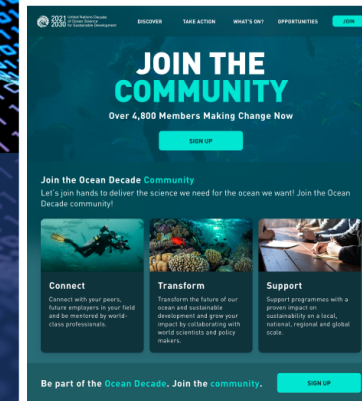


Ir. Jan-Bart Calewaert

Head, Secretariat of the European Marine Observation and Data Network (EMODnet)

Managing Director, Seascope Belgium

UN Ocean Decade Data Coordination Group co-Chair



The Ocean Decade UN SDG 14 & Data

“ Framework
The ~~Science~~ We Need
for
Data
the ~~Ocean~~ We Want



Data and information will be key enablers of the United Nations Decade of Ocean Science for Sustainable Development, and by extension in achieving SDG14.

Digitizing, preserving, managing, exchanging and, most importantly, using a significantly increased volume and range of **ocean-related data, information and knowledge will be cornerstones of the success.**

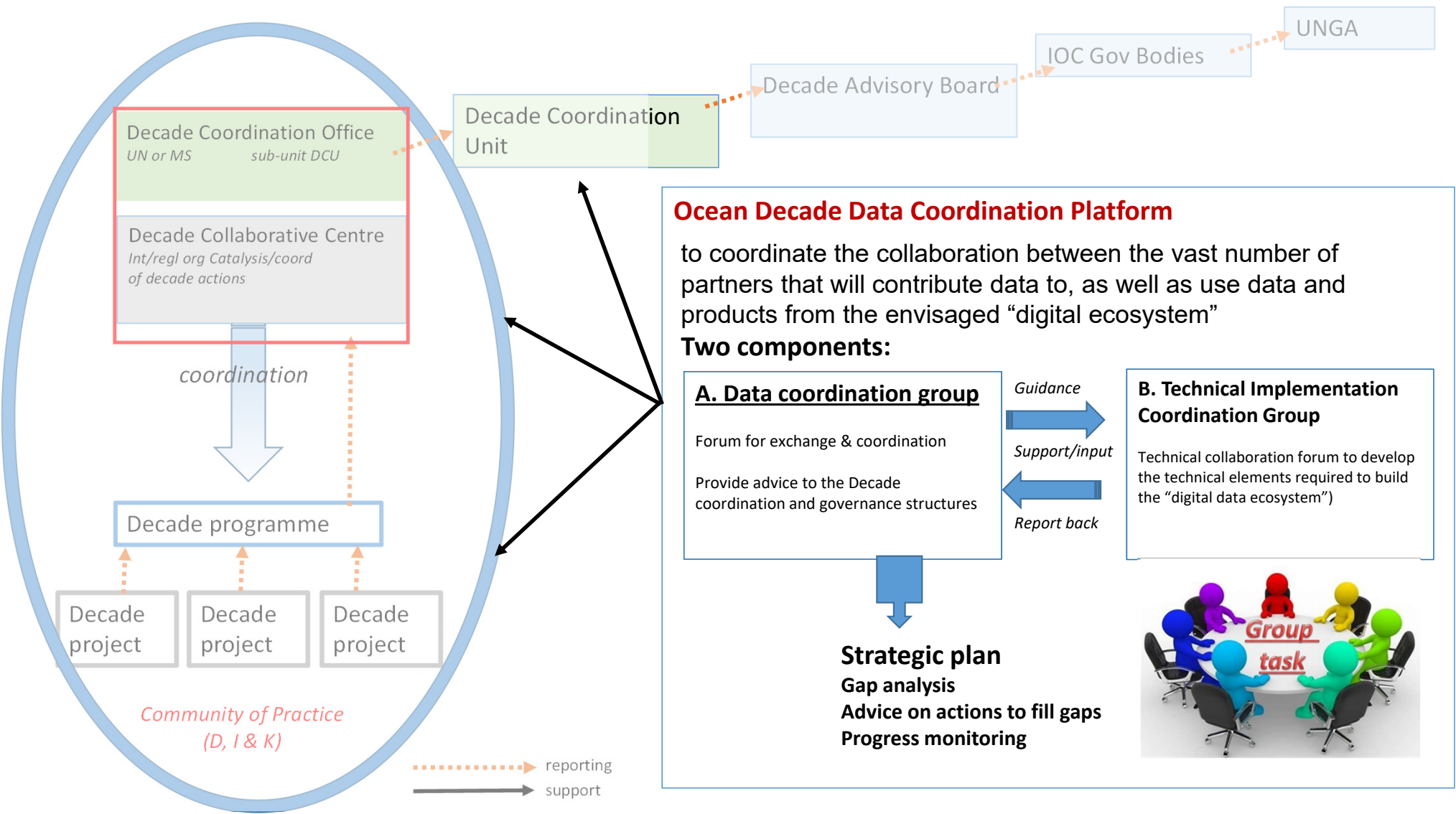
The Ocean Decade UN SDG 14 & Data

“ Framework
The ~~Science~~ We Need
for
Data
the ~~Ocean~~ We Want



Towards a **distributed digital data and information ecosystem** capable of:

- holistically representing the complex socio-ecological ocean system;
- representing the ocean's role in sustainable development across scales.
- Allowing **ALL STAKEHOLDERS** to access, use, and contribute to this digital ecosystem using interfaces tailored to their needs and capacities.



Ocean Decade Data Coordination Group members



Kate Wing



Jan-Bart Calewaert



Joana Akrofi



Edward Armstrong



Jerome Aucan



Uday Bhaskar



Ute Brönnner



Pier Luigi Buttigieg



Rebecca Cowley



Taco De Bruin



Steve Diggs



Rob Emanuele



Marco Filippone



Evert Flier



Jeanette Gann



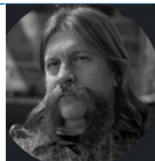
Hernan Garcia



Katherine Hill



Neil Holdsworth



Kirk Larsen



Kevin O'Brien



Harrison Ong'anda



Ana Pinheiro
Privette



Nicolas Segebarth



Rishi Sharma



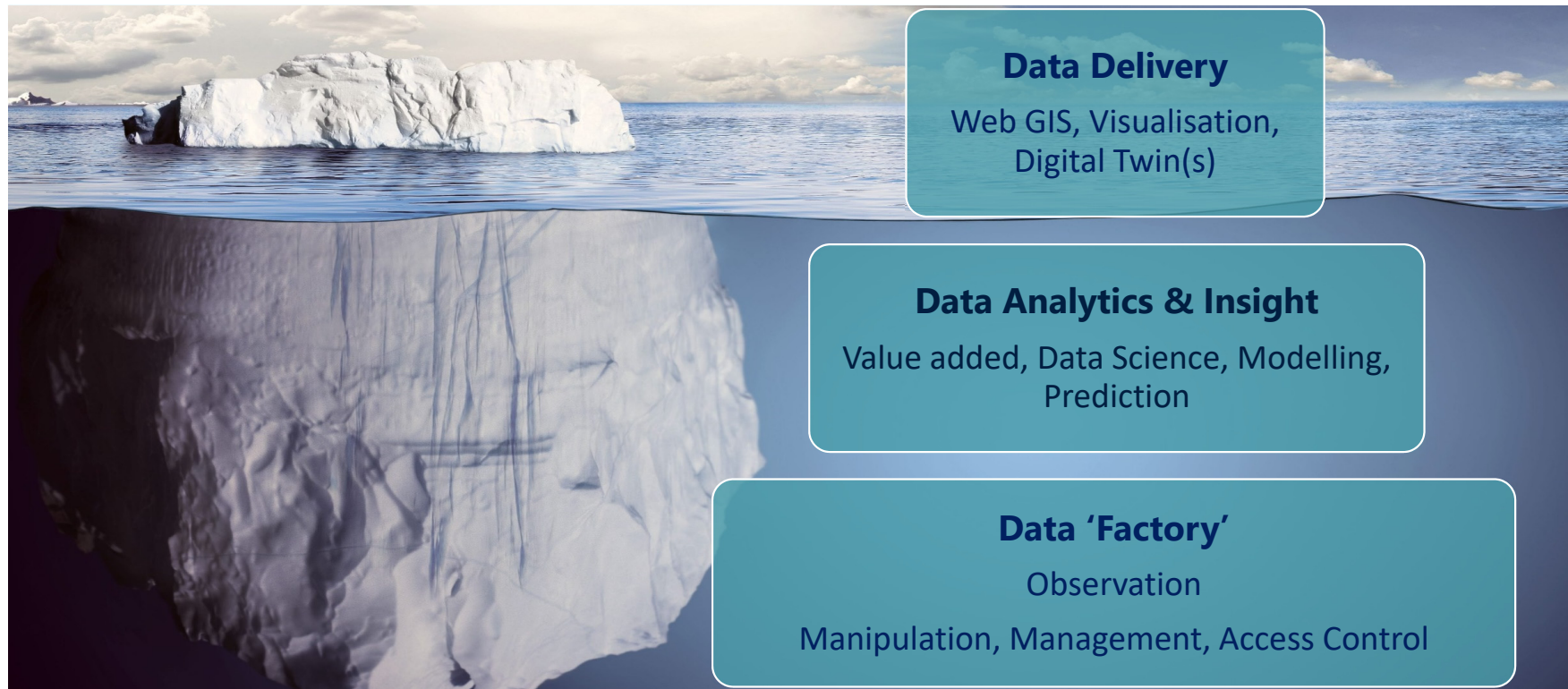
Gry Ulverud

See affiliations <https://www.oceandecade.org/news/newly-appointed-group-of-global-experts-will-help-drive-ocean-decade-action-on-data-information-and-knowledge-management/>

Some reflections on the envisaged Ocean Data Eco-system

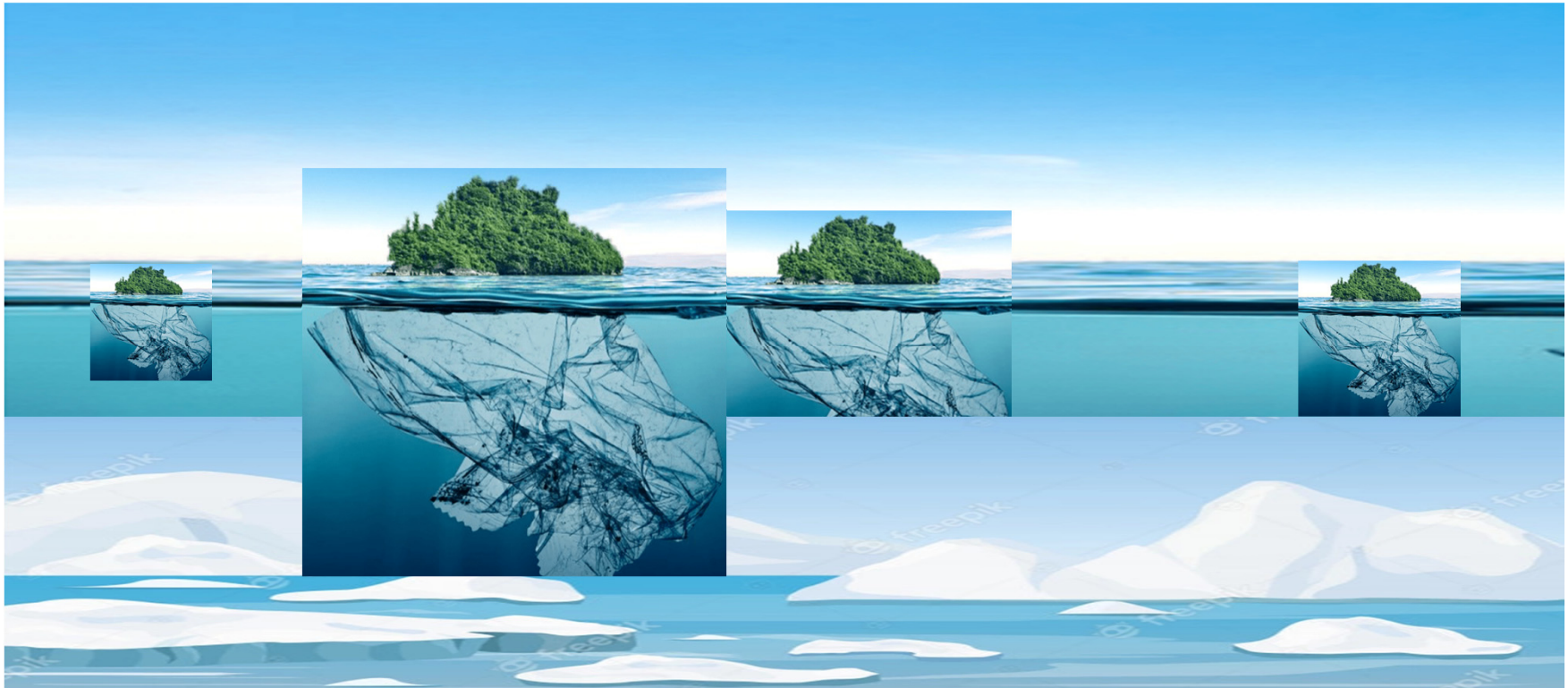
Foundational components of the 'Digital Eco-system'

that are integral to all science projects Managing Data and Knowledge during the Ocean Decade



From Terry McConnel (UNESCO-IOC, FUGRO)

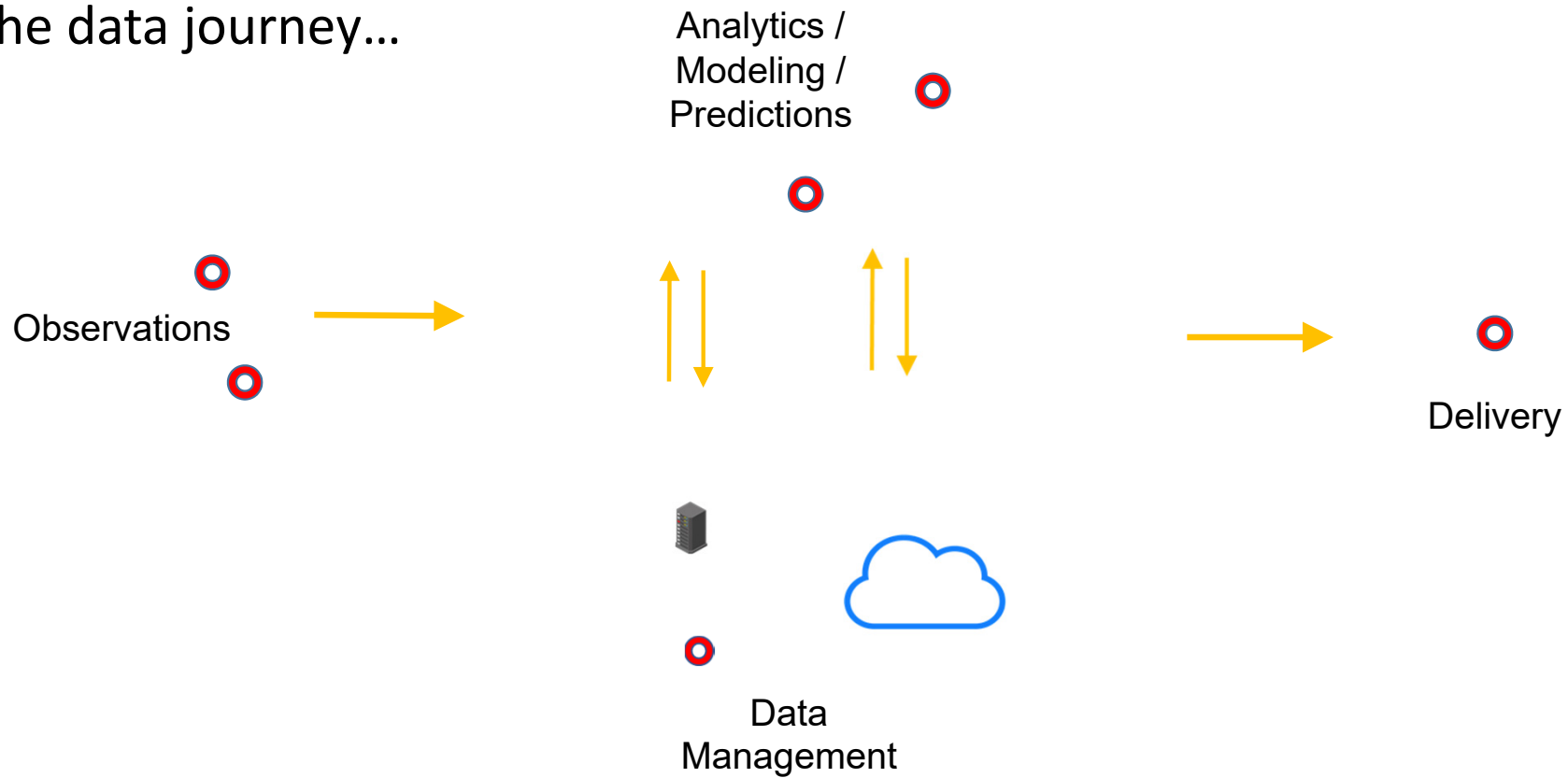
The Ocean Decade will have many such ‘Digital Eco-systems’



From Terry McConnel (UNESCO-IOC, FUGRO)

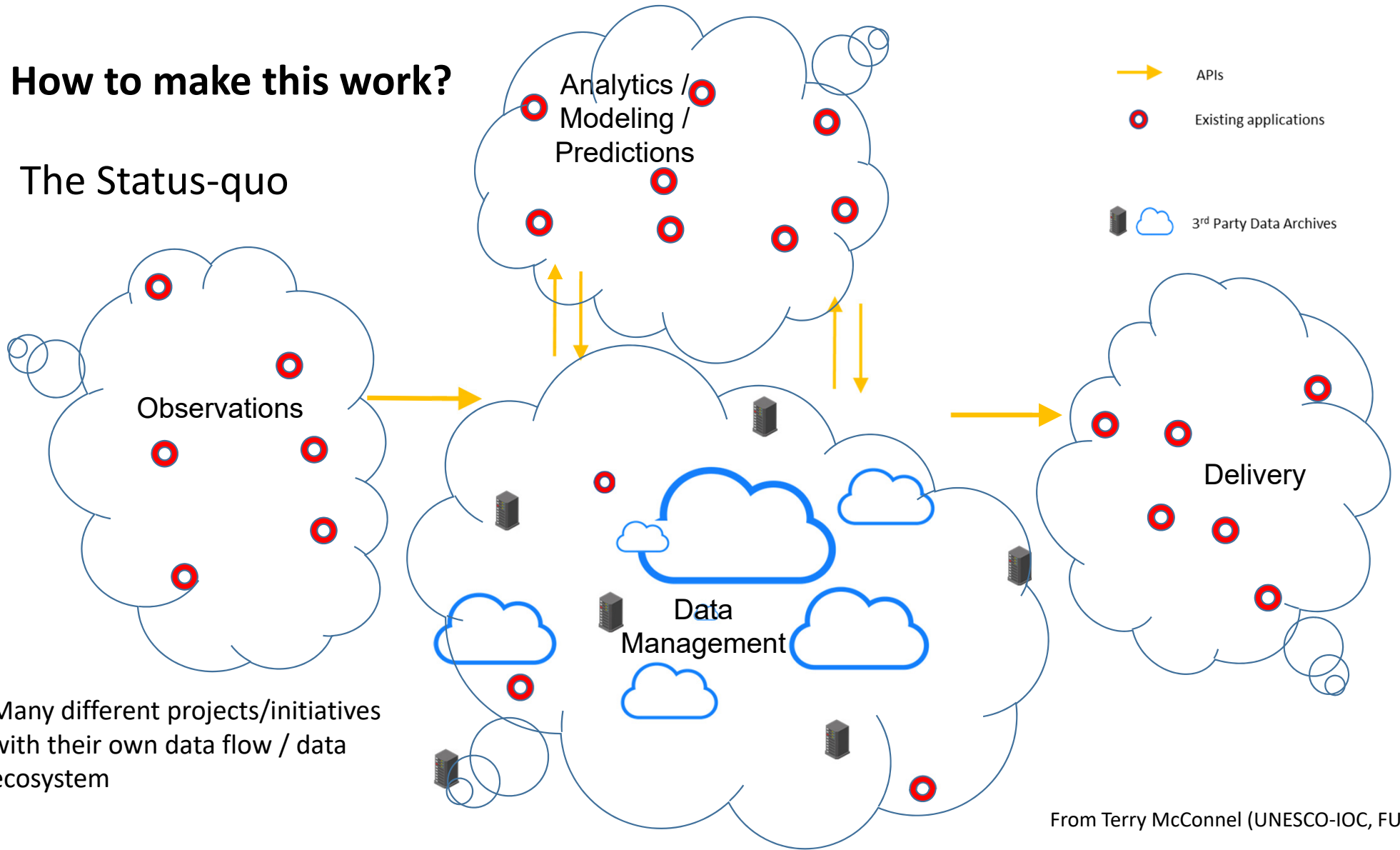
How to make this work?

The data journey...



How to make this work?

The Status-quo

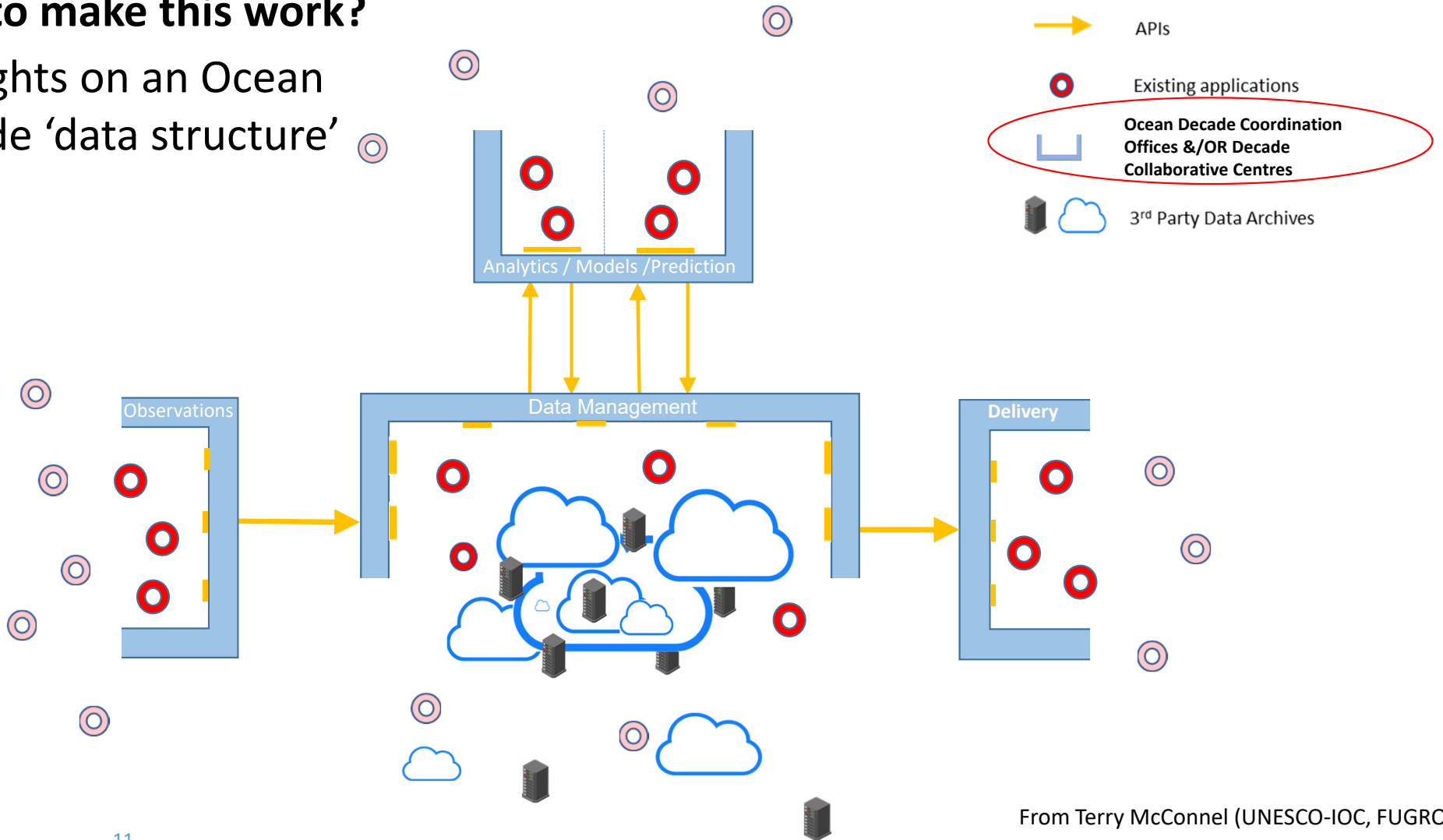


Many different projects/initiatives with their own data flow / data ecosystem

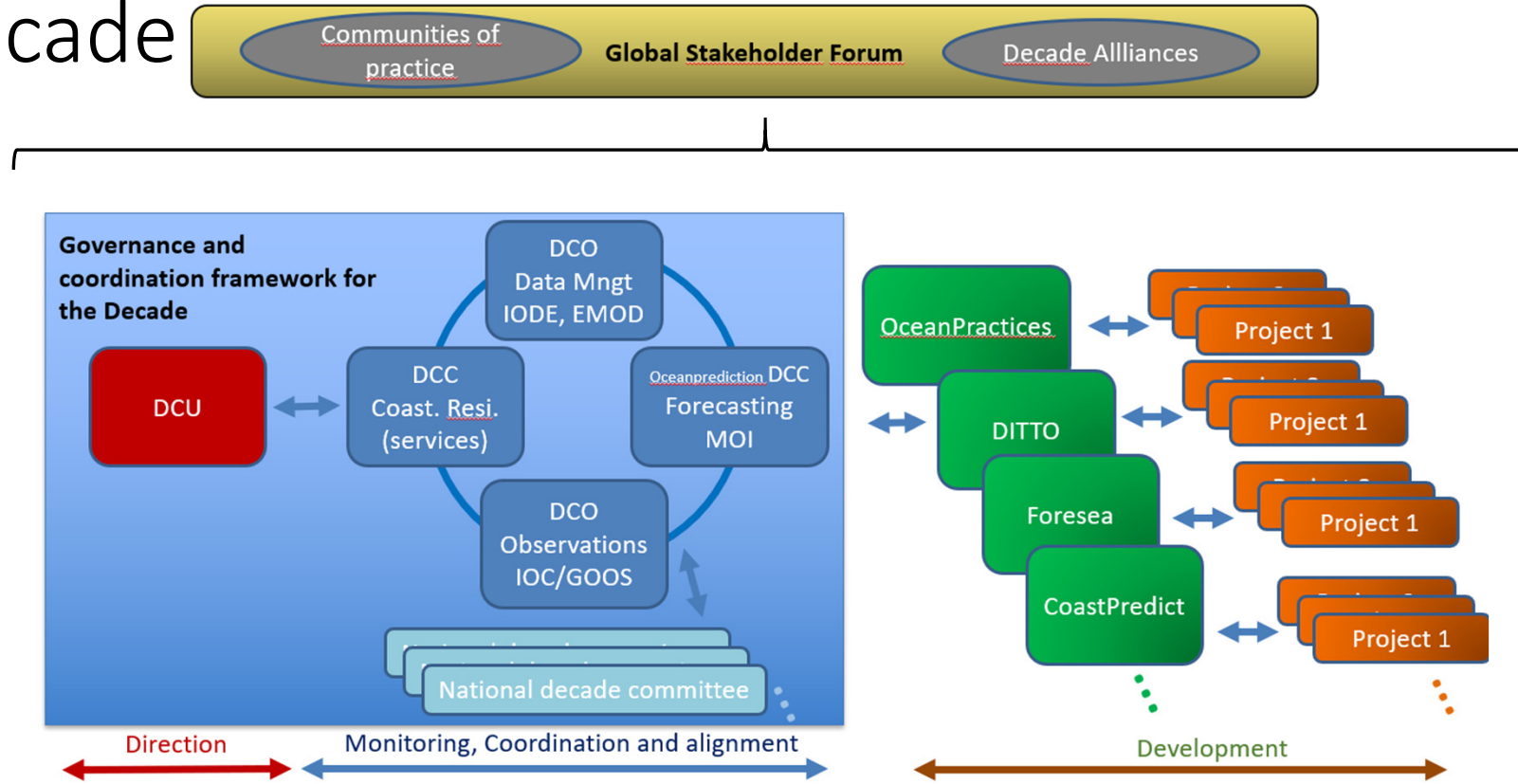
From Terry McConnel (UNESCO-IOC, FUGRO)

How to make this work?

Thoughts on an Ocean Decade 'data structure'



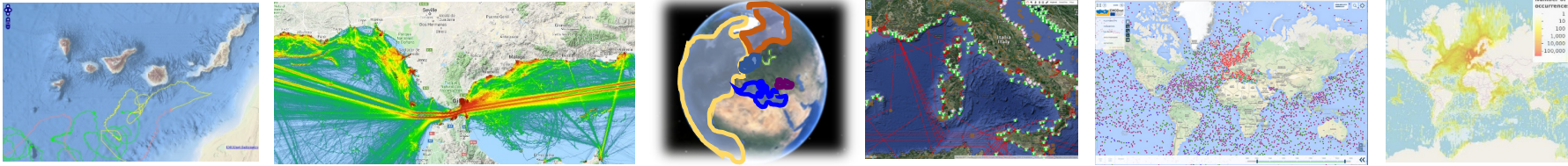
OceanPrediction DCC in the framework of the decade



Prepared by Enrique Alvarez Fanjul and the Mercator Ocean International team

mercator-ocean.eu

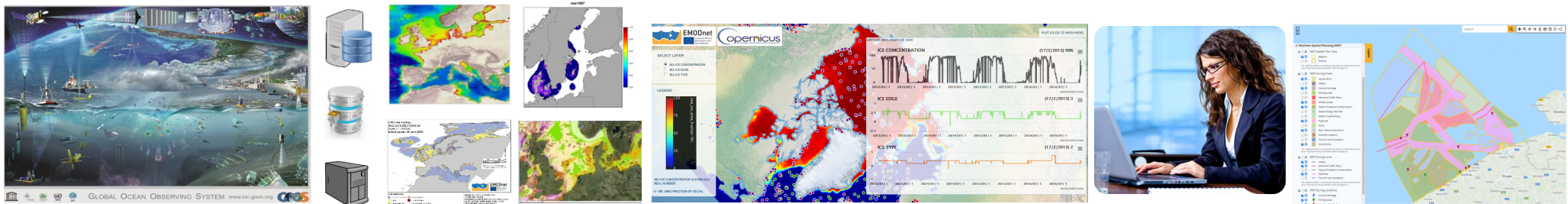
- From regional to global



- Bringing people & ideas together



- Towards an overarching digital ocean data ecosystem accessible to all



Programme Summary



Round-Table 1: Current marine data management and sharing capability, examples of regional and sectoral interoperability Round-Table Moderator: *Pier Luigi Buttigieg (Helmholtz Metadata Collaboration & GEOMAR)*
Q&A with audience

Short Video presentations

Round Table 2: Scaling up marine data and information interoperability for the Ocean Decade and implementation of UN 2030 Agenda SDG 14: future look and recommendations Round-Table Moderator: *Louis Demargne (Data & Knowledge Management Officer, IOC-UNESCO Ocean Decade Coordination Unit)* *Q&A with audience*

Closing remarks

- *Julian Barbière (UNESCO-IOC Ocean Decade Coordination Unit)*
- *Ann-Katrien Lescrauwaet (Flanders Marine Institute, VLIZ)*
- *Kate Wing (Intertidal Agency, UN Ocean Decade Data Coordination Group co-Chair)*

Programme

Introductions & opening remarks

Jan-Bart Calewaert (EMODnet Secretariat, UN Ocean Decade Data Coordination Group co-Chair)



Round-Table 1: Current marine data management and sharing capability, examples of regional and sectoral interoperability - 40'

Round-Table Moderator: Pier Luigi Buttigieg (Helmholtz Metadata Collaboration & GEOMAR)

Speakers and contributions:

- EMODnet examples of EU regional interoperability with global impact - **Kate Larkin (EMODnet Secretariat)**
- Data collection, management and sharing: an offshore industry perspective - **Ben Williams (FUGRO)**
- The Australian Ocean Data Network (AODN) and Integrated Marine Observing System (IMOS) - **Sebastien Mancini (Director of the AODN, Australia)**
- Marine Information Management System at the South African Department of Forestry, Fisheries and the Environment, DFFE - **Tshikana Rasehlomi (DFFE, South Africa)**
- Perspectives from Pacific Small Island Developing States - **Hans Wendt (Marine Program Coordinator, International Union for Conservation of Nature (IUCN), Fiji)**

Q&A with audience – 10'

Video presentations

- Science Data Integration, World Ocean Database and other examples of successful interoperability solutions for data exchange - **Kevin O'Brien (National Oceanic and Atmospheric Administration, US)**
- Expanding international ocean data exchange and interoperability in the Western-Pacific area, **Dr. Shi Suixiang, National Marine Data and Information Service (NMDIS) of China, Project Coordinator of ODIN-WESTPAC**

Programme



Round Table 2: Scaling up marine data and information interoperability for the Ocean Decade and implementation of UN 2030 Agenda SDG 14: future look and recommendations - 40'

Round-Table Moderator: **Louis Demargne (Data & Knowledge Management Officer, IOC-UNESCO Ocean Decade Coordination Unit)**

Speakers and contributions:

- Scaling up data management practices to support of global data exchange platforms - **Lucy Scott, IODE, Ocean InfoHub (OIH) and Ocean Data and Information System (ODIS)**
- Data requirements and challenges ramping up data and information management for the Global Environment Monitoring System for the Ocean and Coasts (GEMS Ocean) Programme - **Hartwig Kremer (UNEP)**
- Scaling up from a national perspective - **Telmo Carvalho (Ocean Office, Portuguese Institute for Sea and Atmosphere IPMA)** ▪ Scaling up for a Predicted and Digital Ocean - **Pierre Bahurel (Mercator Ocean International, Copernicus Marine Service)**
- Data collection, management and sharing – a regional perspective – **Arlene Laing (Coordinating Director of Caribbean Meteorological Organization)**

Q&A with audience - 10'

Closing remarks - 10'

- **Julian Barbière (UNESCO-IOC Ocean Decade Coordination Unit)**
- **Ann-Katrien Lescauwat (Flanders Marine Institute, VLIZ)**
- **Kate Wing (Intertidal Agency, UN Ocean Decade Data Coordination Group co-Chair)**

Round Table 1



Round Table 1 Moderator

Dr. Pier-Luigi Buttigieg

*Helmholtz Metadata Collaboration
GEOMAR, Germany*

<https://helmholtz-metadaten.de/en>



Tshikana (TK) Rasehlomi

*Marine Information Management System (MIMS)
/ AfrOBIS Node & Data Manager, Department of
Forestry, Fisheries & the Environment (DFFE):
CD: Oceans and Coastal Research,
Cape Town, South Africa*

MIMS: <https://data.ocean.gov.za>

DFFE: <https://www.dffe.gov.za/>



Sebastien Mancini

*Director of the Australian Ocean Data Network
(AODN), University of Tasmania (UTAS) /
Integrated Marine Observing System (IMOS)*

IMOS Website: <https://imos.org.au/>

AODN Portal: <https://portal.aodn.org.au/>



Hans Wendt

*Marine Program Coordinator, International Union
for Conservation of Nature (IUCN), Fiji*

<https://www.iucn.org/regions/oceania/our-work/valuing-and-conserving-nature/marine-programme>

<http://macbio-pacific.info/macbio-resources/>



Dr. Kate Larkin

*Deputy Head, European Marine Observation and
Data Network (EMODnet) Secretariat*

<https://emodnet.ec.europa.eu/en>



Ben Williams

Metocean Director Americas, Fugro

Fugro: <https://www.fugro.com/>

Video presentations



Mr. Kevin O'Brien

Senior Research Scientist at the University of Washington

Member of the Data Integration Group at NOAA's Pacific Marine Environmental Lab, Seattle, Washington

Vice-Chair for Data and Information for the GOOS Observations Coordination Group (OCG)

https://www.gooscean.org/index.php?option=com_content&view=article&id=290&Itemid=423

<https://www.pmel.noaa.gov/>

<https://cicoes.uw.edu/>



Dr. Shi Suixiang

Senior research fellow, Director-General of National Marine Data and Information Service (NMDIS), Ministry of Natural Resources of People's Republic of China.

IODE National Coordinator for marine information management

Director of IOI-China Regional Center for the Western Pacific Region

ODINWESTPAC Project Coordinator

<http://www.nmdis.org>

<https://www.odinwestpac.org/>

Round Table 2



Louis DeMargne (Moderator)
Seconded expert (Fugro) to the UN Ocean Decade Coordination Unit of the IOC-UNESCO Coordinator of the UN Ocean Decade Data Coordination Group
<https://www.oceandecade.org/news/newly-appointed-group-of-global-experts-will-help-drive-ocean-decade-action-on-data-information-and-knowledge-management/>



Arlene Laing
Coordinating Director of Caribbean Meteorological Organization
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Lucy Scott
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<https://odis.org/>



Telmo Carvalho
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Pierre Bahurel
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Hartwig Kremer
United Nations Environment Programme (UNEP)
<https://public.wmo.int/>

Closing remarks



Julien Barbière

UNESCO-IOC Ocean Decade Coordination Unit

<https://ioc.unesco.org/>

<https://ioc.unesco.org/ocean-decade>



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Director of International Relations, Flanders Marine Institute, VLIZ, Belgium

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Kate Wing

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Founding partner, Net Gains Alliance

Senior Advisor for the Digital Ocean Pillar for the Friends of Ocean Action

Co-Chair, UN Ocean Decade Data Coordination Group

<https://intertidal.agency/>

<https://www.netgainsalliance.org/>



Thank You!



Thanks to you all for joining us at the Marine Data Interoperability Dialogues!

The side event recording, key messages and further information will be made available at:

<https://emodnet.ec.europa.eu/en/UN-Ocean-Conference-SideEvent-MarineDataInteroperability>

Representatives from the Organizing Committee: Kate Wing (Intertidal Agency, UN Ocean Decade Data Coordination Group Co-Chair) and Jan-Bart Calewaert (EMODnet Secretariat, UN Ocean Decade Data Coordination Group Co-Chair), Kate Larkin (EMODnet Secretariat), Pier-Luigi Buttigieg (Helmholtz Metadata Collaboration, GEOMAR), Taco De Bruin (NIOZ, IODE Co-Chair), Louis Demargne (Data and Knowledge Officer, UNESCO-IOC Ocean Decade Coordination Unit), David Millar (Fugro), Peter Pissierssens (UNESCO IODE), Lucy Scott (UNESCO IODE), Ann-Katrien Lescauwaeet and Joana Beja (VLIZ), Pierre Bahurel (Mercator Ocean international, MOi).